



Calumet Harbor, IL and IN

Project Features

- Located on Lake Michigan in the city of Chicago, Illinois. The approach channel and outer harbor are located in Lake County, Indiana
- Authorization: Rivers and Harbors Acts of 1899, 1902, 1935, 1960, 1962, and 1965.
- Authorized depths are 29 ft. in the approach channel, 28 ft. in the outer harbor, and 27 ft. in the main river channel.
- The harbor is central element of the Port of Chicago, the 36th leading U.S. port and the 2nd largest port on the Great Lakes. Calumet Harbor, by itself, is a leading U.S. port, with 13.8M tons shipped or received in 2008.
- Interconnected with 154 commercial ports: ships to 74 ports, and receives from 80 ports.
- 12,153 linear feet of steel sheetpile and timber crib breakwater structures.
- The Federal navigation channel within the harbor is 4.40 miles long. The channel extends up the Calumet River to the Illinois Waterway (6.74 miles), and to L. Calumet (1.30 miles).
- Chicago Confined Disposal Facility (CDF), which has a total storage capacity of 1.2M cubic yards of contaminated sediment.
- 30 industrial tenants operate in the harbor, as well as a USCG Search and Rescue Station.

Project Requirements

- The CDF has an estimated total storage capacity of 1.6 M cubic yards. Additional storage within the CDF is set aside for future cap and closure improvements, which will require up to 0.3 M cubic yards. The CDF currently contains approximately 1.15 M cubic yards. Typical dredging events add 50,000 CY annually to keep up with shoaling. The ongoing Dredged Material Management Plan, set for FY13 completion, is investigating future sediment disposal options.
- Authorized depth is maintained only in the center half-width of the harbor channel. The average shoaling depth elsewhere is 2.0 feet.



- The outer harbor was last dredged in 2009, and segments of the river were completed in 2011. No dredging is planned in FY12.
- The detached breakwater is the harbor's primary shield. Its condition is poor, having lost 6-10 inches of protective height, and there is a high probability of failure due to steel fatigue from over 75 years of service. Two breaches have previously occurred - both were large and expanded rapidly. Repairs to this structure continue, and will be completed by FY12.

Consequences of Not Maintaining the Project

- Light loading - loss of 1-3 feet of channel depth due to shoaling results in increased transportation costs of between \$0.8M and \$4.5M annually.

Transportation Importance

- Commodities are limestone, coke, coal, salt, grain, cement, liquid bulk, potash, and steel. Nearly 3M tons of coal is shipped to 22 ports on the Great Lakes.
- The harbor is the primary link (of only two possible routes) between the Inland-Waterway system, the Great Lakes, and foreign ports. From this harbor, deep-draft ships can reach the Atlantic Ocean through the St. Lawrence Seaway, and barges can reach the Gulf of Mexico through the Illinois and Mississippi Rivers.

Transportation Importance, continued

- Bulk commodities that pass through the harbor generate nearly \$106.6M annually in direct revenue which supports nearly 1,300 jobs.
- These jobs generate nearly \$48.1M per year in personal income.
- The harbor is the best safe refuge on southern Lake Michigan due to its ease of entry during storms. It permits the safe operation of over 3,000 river barges annually between the Inland-Waterway system and Indiana, Gary, or Burns Waterway Harbors.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2010, 2011 and 2012
Calumet Harbor, IL and IN - Project Needs and President's Budget (\$1,000)**

Work Package	FY10 Need	FY10 Appropriation	FY11 Need	FY11 President's Budget	FY12 President's Budget
Project Condition Surveys	310	310	338	338	355
Chicago CDF Water Quality Monitoring	131	131	100	100	100
Chicago CDF Dredged Material Management Plan	251	0	100	100	600
Maintenance Dredging of Harbor Channel – Primary work package	980	980	1,020	800	0
Maintenance Dredging of Harbor Channel – Backlog work package					
Structural Repairs – Detached Breakwater by Gov't Floating Plant	1,830	1,830	1,900	1,900	1,950
Maintenance Dredging of River Channel – Backlog work package					
Chicago CDF Dikes Mod/Closure prep	1,669	1,370	1,000	1,000	728
Chicago CDF Sediment Management					250
TOTALS	5,171	4,621	4,458	4,238	3,983

Congressional Interests

- Representative Jesse L. Jackson, Jr., D-IL-2
- Senator Richard Durbin, D-IL
- Senator Mark Kirk, R-IL